



2004

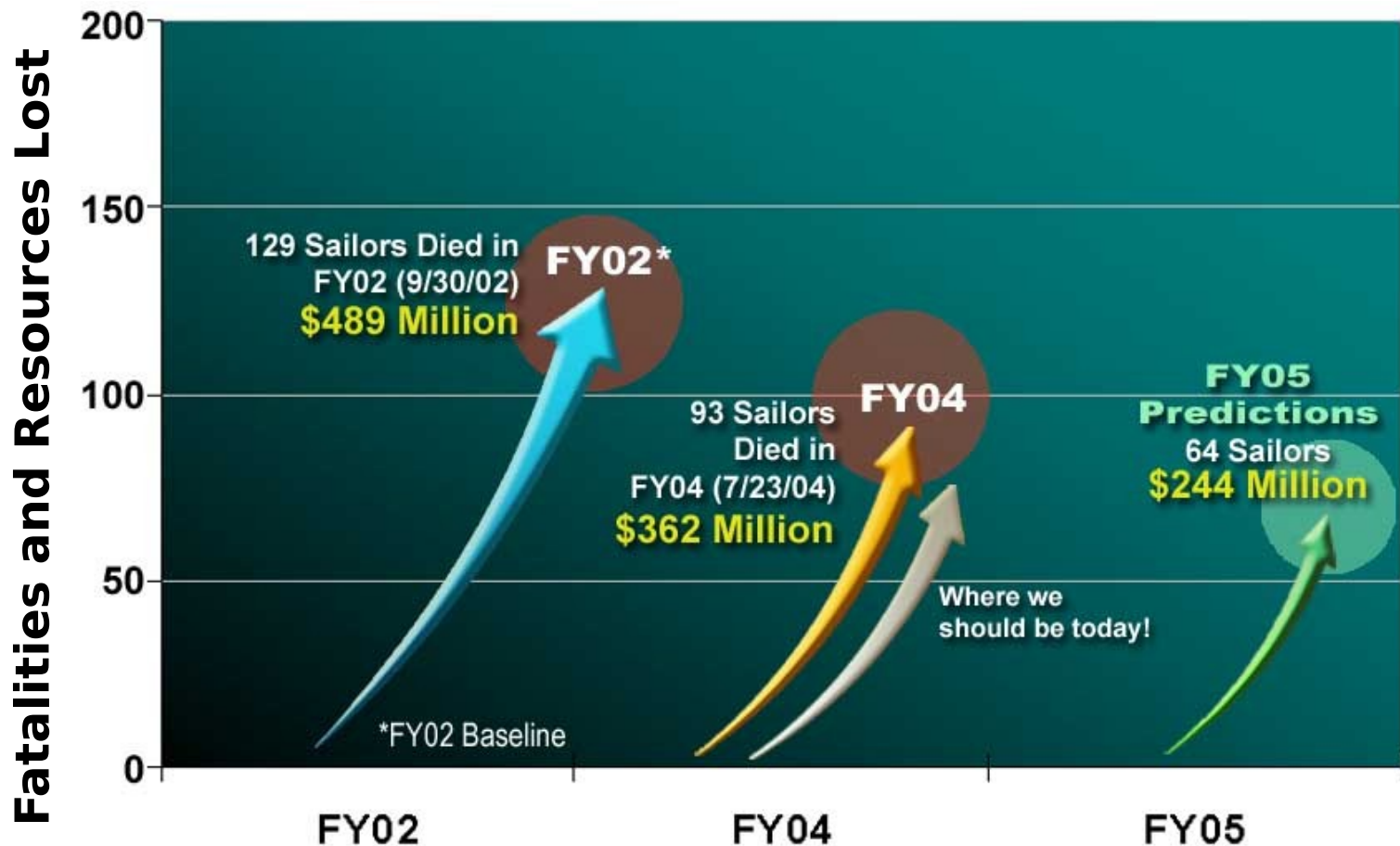
Joint Service Safety Conference

RADM DICK BROOKS, USN
COMMANDER, NAVAL SAFETY CENTER





Where Is Our Navy Today?

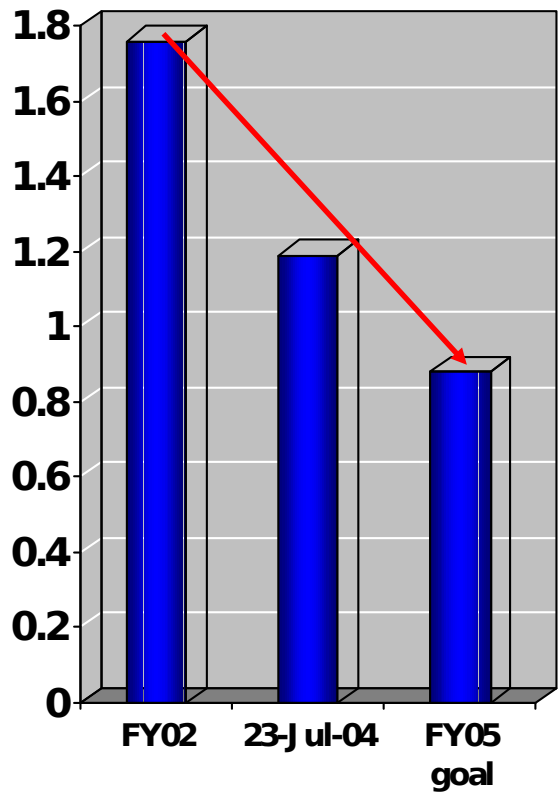


FY04 to date: 93 Sailors Have Died!

We are headed toward 115 deaths in FY04, while our 50% mishap reduction goal is 64 deaths by the end of FY05.



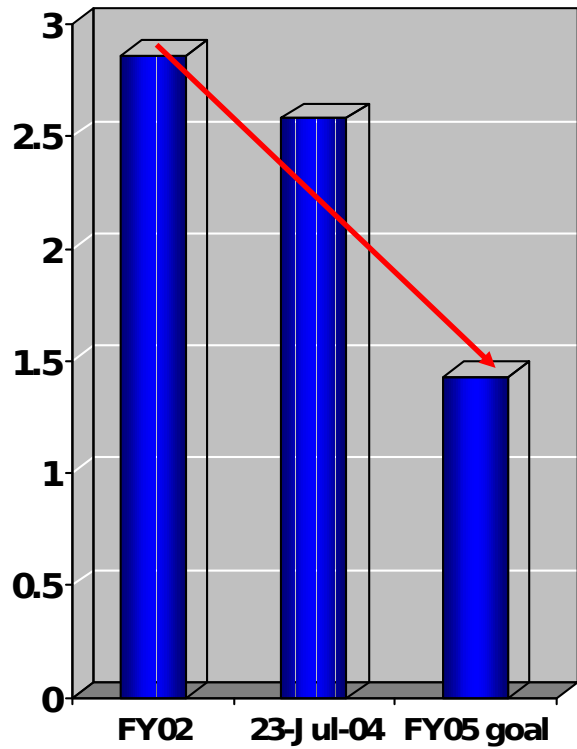
USN Class A Mishap Rates for Aviation and Shore Forces



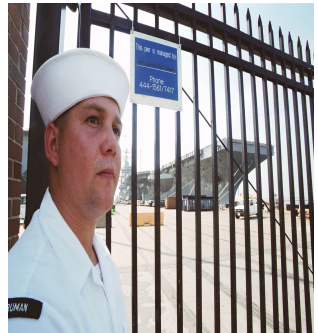
AVIATION



(note: rate is per 100,000 flight hours)



SHORE/OPS

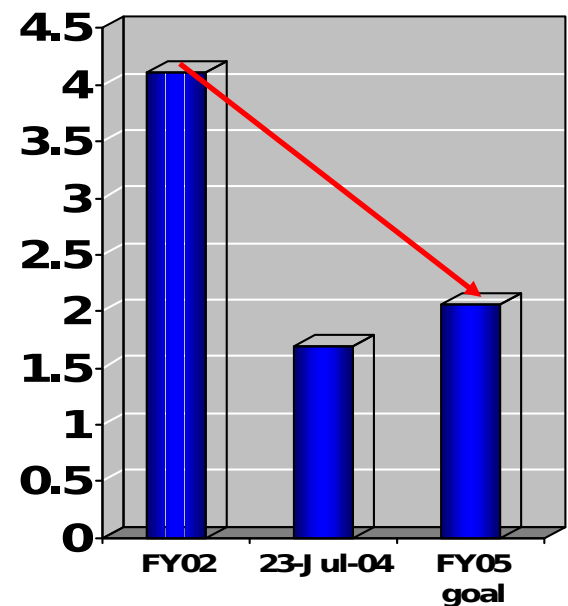
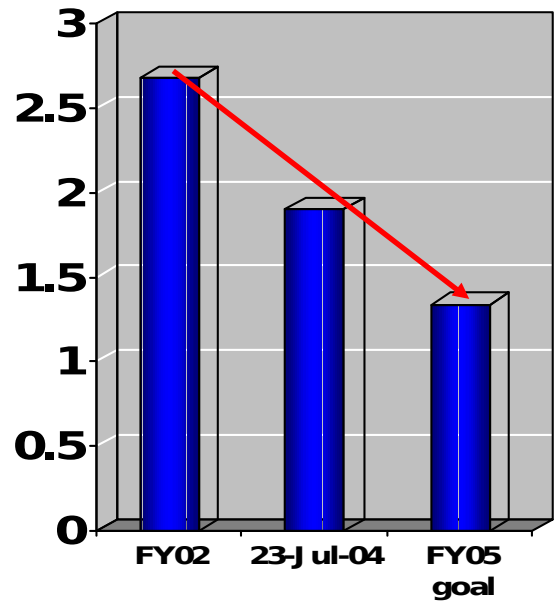


(note: rate is per 100,000 personnel per year)

Aviation mishap rates are currently on glide slope toward FY05 goal. Shore/Ops rates are just above the slope.



USN Class A Mishap Rates for Afloat Forces

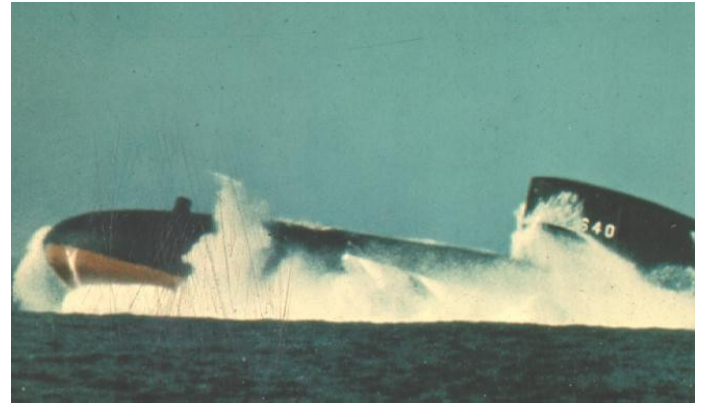


SUBMARINES

Submarine mishap rates are below FY05 50% reduction goal!

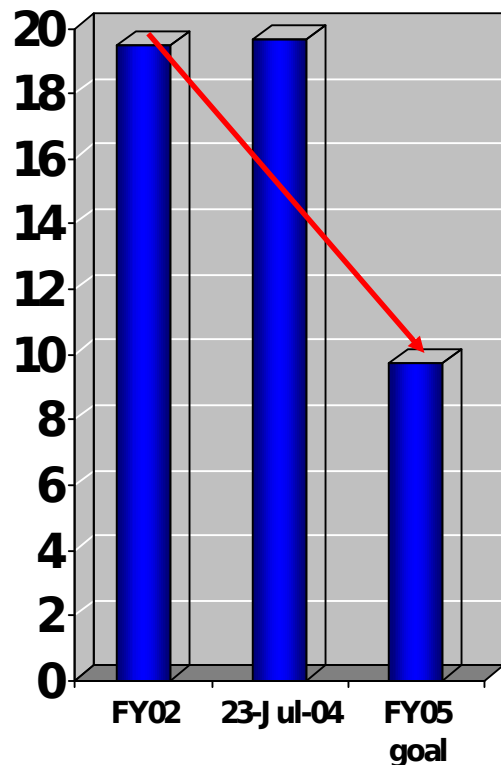
(note: rate is per 100 ships per year)

Surface ship mishap rates are doing well!

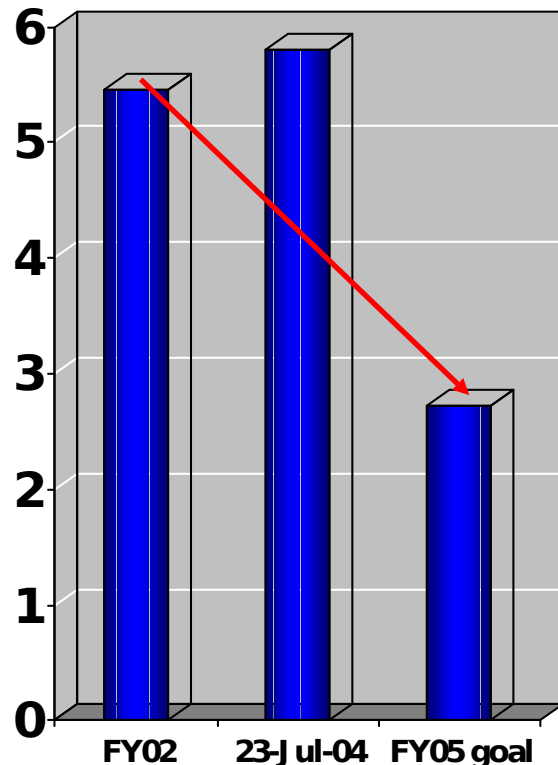




USN Fatality Rates for Traffic and Recreation (off-duty) Mishaps



(note: rate is per 100,000 personnel per year)

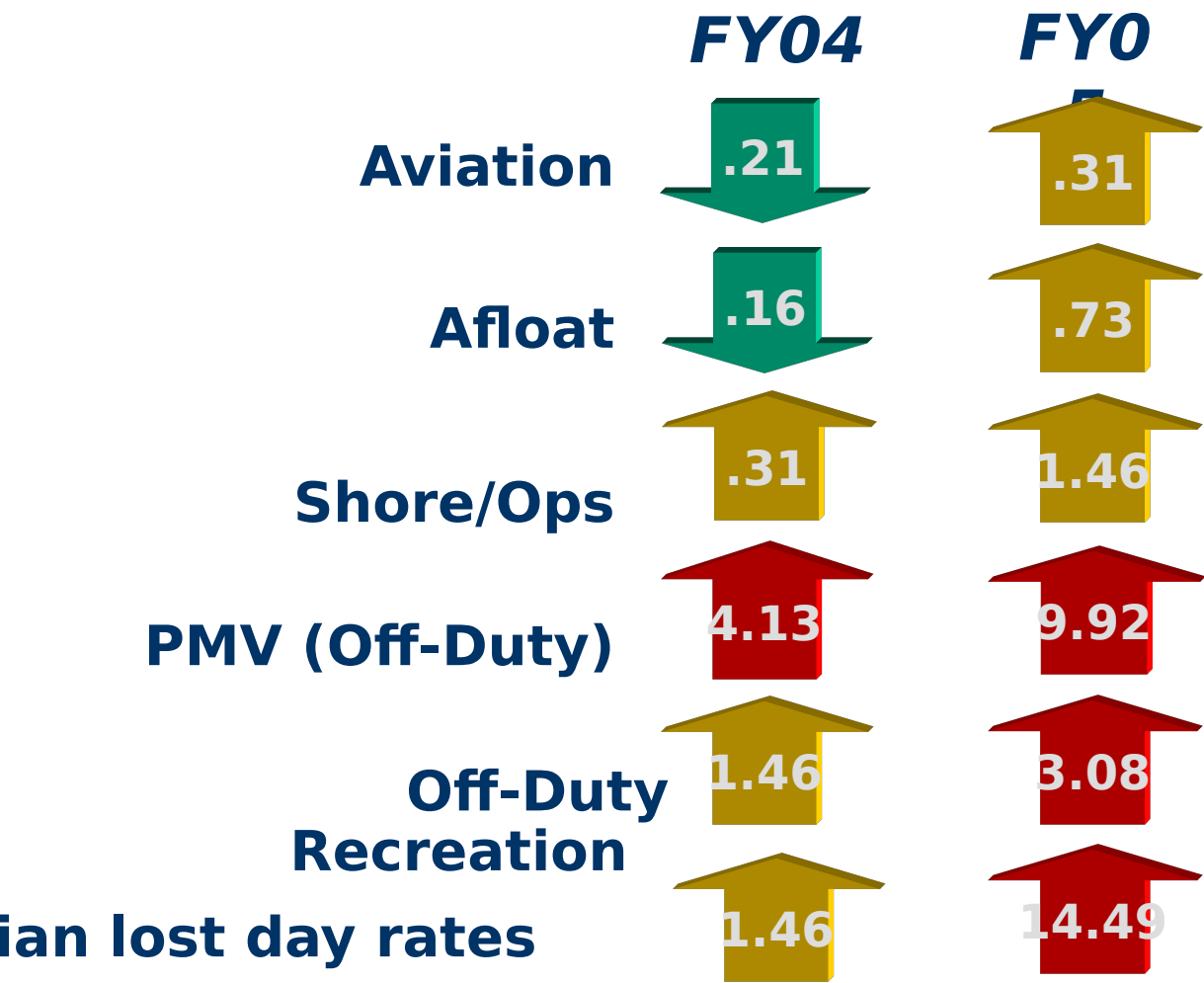


(note: rate is per 100,000 personnel per year)

PMV and Recreation (Off-Duty) mishap rates are getting worse since FY02!



USN Mishap and Fatality Trends



If we maintain FY04's mishap rate next year, we will not achieve our 50% mishap reduction goal.

We cannot accept the status quo!

LEGEND: FY04/05

- = on or below glide slope / FY05 goal
- = more than 2.0 higher than glide slope / FY05 goal
- = within 2.0 of glide slope / FY05 goal

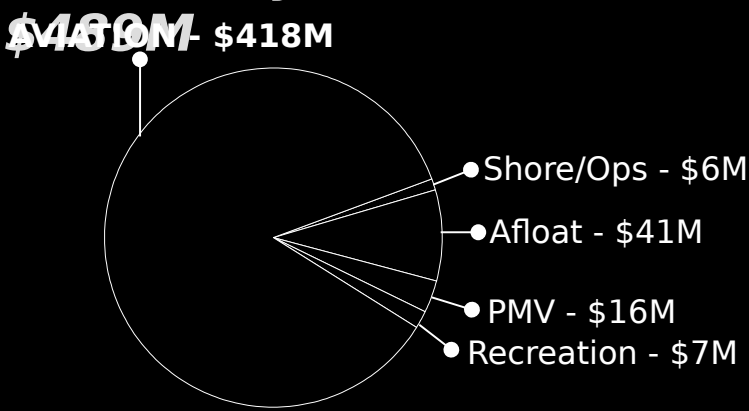
FY04 Data: July 23, 2004



USN Cost and Deaths

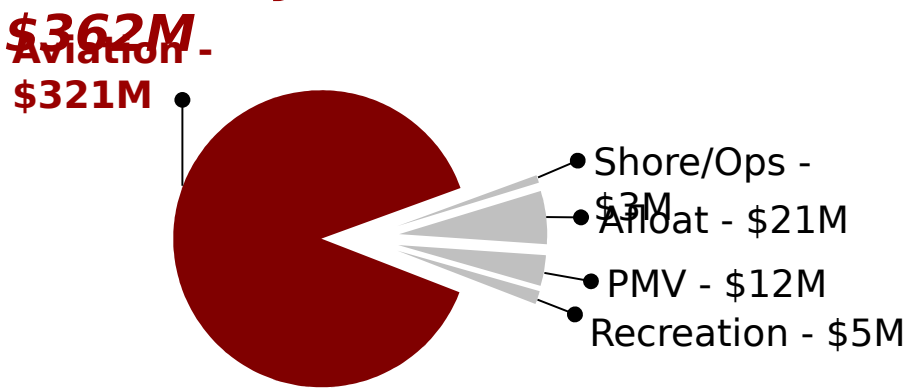
MISHAP REDUCTION

FY02 Navy Costs >>>>>

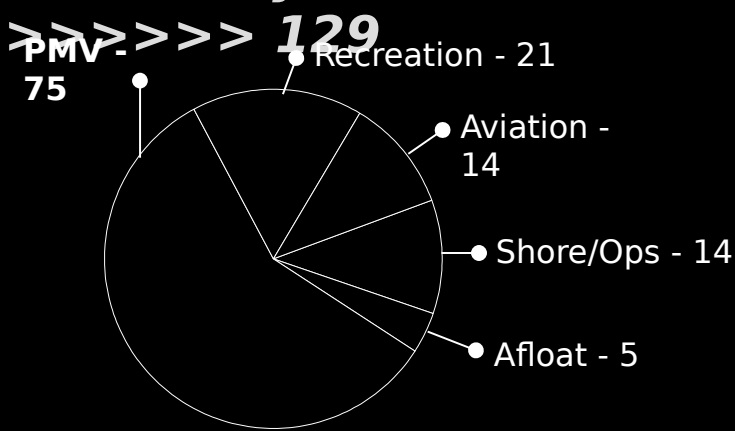


FY04 Data: July 23, 2004

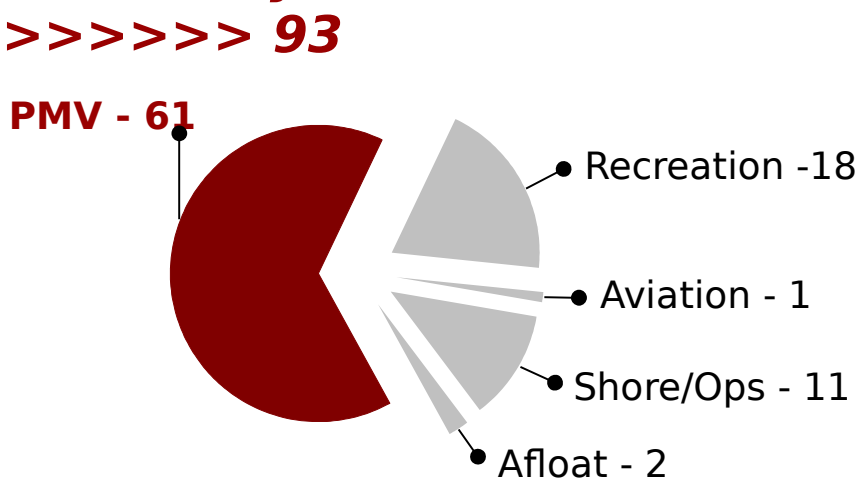
FY04 Navy Costs >>>>>



FY02 Navy Deaths >>>>>



FY04 Navy Deaths >>>>>





Commander's Assessment

- Good programs exist and have produced some good results, but status quo isn't getting the job done in many areas.
- **50% mishap reduction campaign message isn't consistently reaching the deckplates.**
- Leadership and accountability is required....most mishaps can be prevented with appropriate intrusive leadership and involvement at every level.
- "Cradle to grave" safety training is being developed for 5 Vector Model by the Navy's Center for Personal Development.
- NSC & USN/USMC must become proactive and predictive to prevent safety mishaps, rather than reactive.
- USN/USMC must utilize available safety resources – Traffic Safety toolbox, ASMIS, Leave/Liberty Risk Assessments, etc.
- Emphasize safety and risk management as "24X7" way of life rather than a concept that gets increased emphasis post-mishap.
- Balanced acquisition approach for platforms and COTS/emergent technologies to reduce mishaps.
- **Challenge - cultural change will take time.**



Where Should We Target Our Efforts?

The Largest Challenge: Aviation - Traffic - Discrepancy

| | NAVY COST | | NAVY DEATHS | | | | | | | PERCENT | | |
|---------|-----------|----------|-------------|------------|-----|--------|-----------|-----|--------|---------|-----|-------|
| | OVERALL | AVIATION | OVERALL | PMV Shore | Air | Afloat | REC Shore | Air | Afloat | PMV | REC | Total |
| FY99-03 | \$ 3.74B | \$ 3.11B | 1,043 | 584 361 | 95 | 128 | 141 80 | 31 | 30 | 56% | 14% | 70% |
| FY02 | \$489M | \$418M | 129 | 75 30 | 13 | 32 | 21 9 | 6 | 5 | 58% | 16% | 74% |
| FY03 | \$754M | \$710M | 106 | 66 20 | 6 | 31 | 20 11 | 4 | 5 | 62% | 19% | 81% |
| FY04 | \$362M | \$362M | 93 | 36 | | | | | | 19% | | 85% |

- 5C INTERVENTION TOOLS**
- Investigations
 - WESS
 - Surveys
 - Media
 - Data analysis
 - Culture workshops
 - Safety awareness campaigns
 - Web
 - Online survey assessments

FOCUS ON SIX KEY AREAS

1. Leadership
2. Web-Enabled Navy
3. Education/Training/Culture
4. Analysis
5. Communication
6. Technology

POTENTIAL ADDITIONAL RETURN ON INVESTMENT?
50% reduction would result in saving \$358M and 119 fatalities by end of FY05. (Based on FY02 vs. FY05)



Major Naval Safety Center Initiatives

- USN/USMC Safety Council (\$161M funding roll-up identified for new FY04-11 Safety Programs)
- Detailed POA&M
- Cross-Train Survey Teams (help promote comprehensive safety awareness during site visits)
- 50% Mishap-Reduction Media Campaign (focused efforts on critical areas of Traffic and Off-Duty Recreation)
- WESS (Web Enabled Safety System) is online
 - Bandwidth issues for afloat assets
- Internal Reorganization
- Analysis



Aviation Ongoing Initiatives

- Defense Safety Oversight Committee
- Navy and Marine Corps Safety Council
- Culture Workshops
- Surveys
 - Command Assessment Surveys/Maintenance Command Assessment Surveys
- Human Factors Analysis
- Data Centric Technology
 - Simulators
 - MFOQA
 - Flight Data Recorders
 - Aircraft Safety Systems
- ORM Training
- NAVSAFECEN's Safety Awareness Campaign
- Interactive Ultimate Guide to Aviation Safety CD
- Media Kit for 50% Mishap Reduction Campaign



Afloat Ongoing Initiatives

- Defense Safety Oversight Committee
- Navy and Marine Corps Safety Council
- ORM Immersion Training and Web-based Resources
- Survey Teams are Teaching Traffic Safety and ORM
- Mishap-reduction Efforts and Lessons Learned
Messages are being routinely disseminated to the Fleet
- SUBPAC 14-day Mishap P4 Requirement
- SURFPAC Traffic Safety Message and Initiatives



Shore Ongoing Initiatives

- Defense Safety Oversight Committee
- Navy-Marine Corps Safety Council
- CNI Region/Installation Mishap-Prevention Policy Requirement
- ALSAFE “Intrusive Leadership” Messages
- Operation Good Samaritan
- Naval Safety Campaign Plan – PMV and Recreation
- Best Business Practices
 - Community and Federal Partnerships
 - Army Safety Management Information System (ASMIS)



Joint Efforts

- Army Safety Management Information System (ASMIS) POV Module
 - A web-based, interactive, risk-assessment tool for traffic safety.
- Safety Center and HQMC(SD) MOU
- Social Marketing for Safety Belt Use Video Clip: Duval Guillaume/Brussels Advertising Agency, Europe
- Army and Air Force Safety Video Libraries
- Navy Safety Center Safety Surveys and Culture Workshops
- Print and Graphics Media
 - routine exchange of quality material among all services



Challenges

- Eliminate or reduce top causal factor of mishaps: Human Error
- Eliminate or reduce highest cost, fatalities, and injuries – Aviation/PMV/Recreation
- Traffic and Recreational – Accountability and Responsibility – **Off-Duty**
- Lack of performance metrics for mishap reduction.
- Cultural Change
 - *Leadership Involvement A Must!*
 - *The Willingness to Accept Losses – **like PMV***
 - *Reactive Vice Proactive*
- Acquiring necessary funds for Safety Programs



Balancing Our Priorities

BALANCING OUR PRIORITIES

Right Force

- Eliminate Loss
- Achieve 50% Reduction

Right Cost

- Save Lives
- Prevent Injuries
- Preserve Resources

Right Readiness

- Education
- Awareness
- Technology
- Safety Culture





Intrusive Leadership Makes THE Difference





Questions ?